

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing Of Claims:

Please amend the claims as follows:

Claims 1-39. (Canceled)

40. (Currently Amended) Computer apparatus for allocating communications bandwidth, comprising:

- a. a computer having a communications interface for sending information over a communications link; and
- b. a program on said computer, to permit said computer to act as a server, said program when running, enabling said computer to reallocate bandwidth assigned to users connected to said server over said communications interface;

the computer reallocating bandwidth in response to a request for data from one of the users over the communications interface wherein the reallocating is based on a file attribute associated with data requested in the request for data wherein the file attribute comprises one of a text data attribute, a style data attribute, a graphic attribute, and an audio data attribute, wherein if the file attribute comprises the text data attribute, the data requested is given a highest priority index, if the file attribute comprises the style data attribute, the data requested is given a next highest priority index, and if the

file attribute comprises the graphic or audio data attribute, the data requested is given a lowest priority index, and wherein the reallocating is based on the priority index.

41. (Previously Presented) Apparatus of claim 40 in which bandwidth is allocated to users based on the number of users and on the types of data each is requesting from the server.

42. (Canceled)

43. (Previously Presented) Apparatus of claim 40 in which the reallocation occurs in response to reception of a GET request over the communication interface.

44. (Previously Presented) Apparatus of claim 41 in which each type of data has an associated priority.

45. (Previously Presented) Apparatus of claim 41 in which said program, when running, detects when a user is unable to receive information at a rate allocated to that user.

46. (Previously Presented) Apparatus of claim 45 in which, when a user is unable to receive information at a rate allocated to that user, the user is excluded from a reallocation of available bandwidth.

47. (Previously Presented) Apparatus of claim 41 in which bandwidth is reallocated dynamically.

48. (Withdrawn) Computer apparatus for allocating communications bandwidth, comprising:

a. a computer having a communications interface for sending information over a communications link;

b. a program on said computer, to permit said computer to act as a client, said program, when running, enabling said computer to reallocate bandwidth across said communications interface available to processes running on said computer.

49. (Withdrawn) Apparatus of claim 48 in which bandwidth is allocated to processes based on the number of connections and on the types of data each is receiving.

50. (Withdrawn) Apparatus of claim 48 in which reallocation of bandwidth occurs in response to occurrence of an event.

51. (Withdrawn) Apparatus of claim 48 in which each type of data being received has an associated priority.

52. (Withdrawn) Apparatus of claim 48 in which bandwidth is reallocated dynamically.

53. (Currently Amended) A method for allocating communications bandwidth across a communications interface of a computer, comprising the steps of:

- a. providing information to a plurality of users connected to said computer across said communications interface;
- b. receiving a request for data from one of the plurality of users over the communications interface; and
- c. reallocating bandwidth assigned to the plurality of users based on a file attribute associated with data requested in the request for data wherein the file attribute comprises one of a text data attribute, a style data attribute, a graphic attribute, and an audio data attribute, wherein if the file attribute comprises the text data attribute, the data requested is given a highest priority index, if the file attribute comprises the style data attribute, the data requested is given a next highest priority index, and if the file attribute comprises the graphic or audio data attribute, the data requested is given a lowest priority index, and wherein the reallocating is based on the priority index.

54. (Previously Presented) The method of claim 53 in which bandwidth is allocated to users based on the number of users and on the types of data each is requesting.

55. (Previously Presented) The method of claim 54 in which reallocation of bandwidth occurs in response to occurrence of an event.

56. (Previously Presented) The method of claim 54 in which each type of data has an associated priority.

57. (Previously Presented) The method of claim 54 in which, when a process is unable to receive information at a rate allocated to that process, the process is excluded from a reallocation of available bandwidth.

58. (Previously Presented) The method of claim 53 in which bandwidth is reallocated dynamically.

59. (Withdrawn) A method of allocating communications bandwidth across a communications interface of a computer having a client program, comprising the steps of:

a. enabling said program to reallocate bandwidth across said communications interface available to processes running on said computer.

60. (Withdrawn) The method of claim 59 in which bandwidth is allocated to processes based on the number of connections and on the types of data each is receiving.

61. (Withdrawn) The method of claim 60 in which reallocation of bandwidth occurs in response to occurrence of an event.

62. (Withdrawn) The method of claim 60 in which each type of data being received has an associated priority.

63. (Withdrawn) The method of claim 59 in which bandwidth is reallocated dynamically.

64. (Withdrawn) A computer program product, comprising:

a. a memory medium;

b. a computer program, stored on said memory medium, said computer program comprising instructions for providing information to a plurality of users connected to a computer across a communications interface; and for enabling said computer to reallocate bandwidth assigned to users connected to said computer over said communications interface.

65. (Withdrawn) A computer program product, comprising:

a. a memory medium;

b. a computer program, stored on said memory medium, said computer program comprising instructions for allocating bandwidth across a communications interface of a computer available to processes running on said computer.